

# ADDONICS TECHNOLOGIES

## Model: RTIV435SMR5

### I. Installing drive into the RAID Tower IV

Refer to Diamond enclosure hard drive installation guide

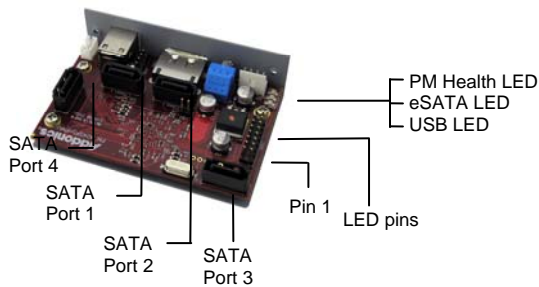


Slide the enclosure into the drive bay. Using the key provided, insert it to the lock mechanism and turn it to the "LOCK" position. This will secure the enclosure and provide power to the drive.

**Note:** It is recommended to fill up the tower with SATA drives from top to bottom. This is to help in identifying which drives connect to which ports for easier troubleshooting.

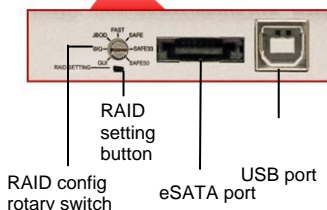
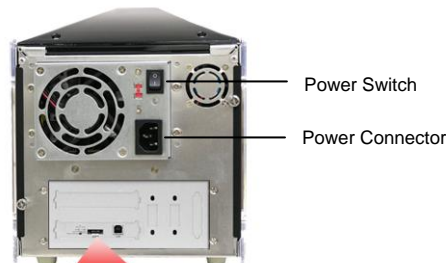
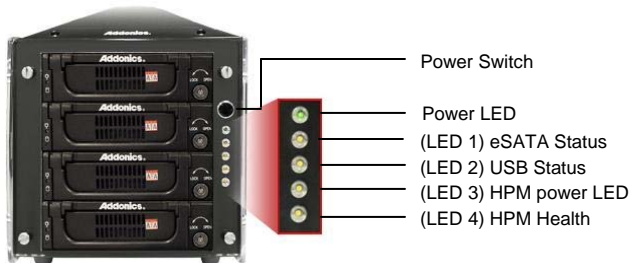
### II. Connecting the power cable and RAID Tower IV to the computer

- Connect the power cord provided from the wall outlet to the back of the RAID Tower.
- Make sure the power is off (power LED light should be off).
- Connect either the provided USB or eSATA cable from the back of the RAID Tower to the computer. We recommend connecting the eSATA port for best performance if this port is available on your computer.



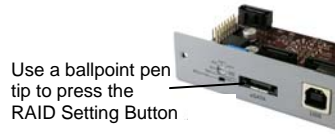
### III. Power on/off control

To turn on the power of the RAID Tower, press the power button on the front. The power LED light should lit indicating the power is on.



### IV. Setting RAID on the HPM

- Set the Rotary switch to the RAID mode required.
- Push the RAID setting button with a ballpoint pen tip while the HPM is turned off.



- While holding the RAID setting button, turn on the HPM and SATA hard drives and continue to hold button for at least 5 seconds.

**Note:** The onboard LED's for the eSATA and USB will start blinking while holding down the raid setting button. Once the raid setting button is released, the PM Health LED will blink 4-6 times.

If the PM Health LED stops blinking, the raid set is set correctly. If the PM Health LED lights up as solid green, it is a bad setup. You need to repeat setting up the raid again.

#### Instruction for Special RAID Modes:

##### BIG 2 - 2 Drives Spanned

- Note:** Do not connect more than 2 SATA drives to the hardware port multiplier. Doing so will hang the system when you configure the raid.
- For SATA drives with different capacities, the hardware port multiplier will use the smallest drive capacity of the 2 drives connected to create the total partition size.

##### FAST 2 - 2 Drives Striped

- Note:** Do not connect more than 2 SATA drives to the hardware port multiplier. Doing so will hang the system when you configure the raid.

#### Verify RAID Setting on the HPM

**Note:** Disconnect the HPM from host when verifying the RAID setting.

It is assumed that you have already connected the SATA drives and set up the raid mode when verifying the raid setting.

- Turn on the power for RAID tower mini.
- Push the RAID setting button with the tool provided. Using the table below, verify if the LEDs are lighting up. The selected LEDs will light up for 2 seconds followed by a blink and cycles back.

| RAID Mode  | LEDs                  |
|------------|-----------------------|
| BIG 2      | LEDs 1, 2 & 4 all OFF |
| BIG 4      | 4 ON, 2 & 1 OFF       |
| FAST 2     | 2 ON, 4 & 1 OFF       |
| FAST 4     | 1 ON, 4 & 2 OFF       |
| SAFE FAST  | 4 & 2 ON, 1 OFF       |
| SAFE 2     | 4 & 1 ON, 2 OFF       |
| RAID 5     | 2 & 1 ON, 4 OFF       |
| RAID 5 + S | 4, 2 & 1 all ON       |

#### TECHNICAL SUPPORT

Phone: 408-453-6212  
Hours: 8:30 am - 6:00 pm PST  
Email: <http://www.addonics.com/support/query/>